

30

Access DB# 112023

SEARCH REQUEST FORM

Scientific and Technical Information Center

PLEASE NOTE THIS SEARCH IS IDENTICAL FOR 09/601,421

Requester's Full Name: Susi Tsang Foster Examiner #: 76063 Date: 7/26/02
 Art Unit: 1745 Phone Number 30 5-0588 Serial Number: 09/601,234
 Mail Box and Bldg/Room Location: CP3 8A09 Results Format Preferred (circle) PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched.
 Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Non-Aqueous Electrolyte Secondary Battery Comprising Composite Particles
 Inventors (please provide full names): Morigaki, Kenichi; Iwamoto, Kazuya;
Koshina, Hozuru; Shimamura, Harunari; Nitta, Yoshiaki
 Earliest Priority Filing Date: 11/30 Dec 2, 1998

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search for: A non-aqueous electrolyte secondary battery comprising: a ~~positive~~ a negative electrode capable of intercalating and de-intercalating lithium; the negative electrode comprises a plurality of particles, each of the particles comprises:
 a central portion consisting essentially of at least one element selected from the group consisting of tin, silicon, and zinc; and a coating at least partially around the central portion, the coating comprises a solid solution or an inter-metallic compound; the solid solution or inter-metallic compound comprises: a) at least one element selected from the group consisting of tin, silicon, and zinc, and b) at least one additional element selected from the group consisting of ~~the~~ group 2 elements [alkaline metals]; transition elements, group 12 elements (~~the~~ Cd, Hg); group 13 elements [B, Al, Ga, In, Tl]; and group 14 elements exclusive of carbon [~~the~~ Si, Ge, ~~the~~ Sn, Pb] and exclusive of an element selected from Sn, Si, Zn [Please see claim 1].
 Synonym: deintercalate = de dope; intercalate = dope; central portion = core, nucleus

STAFF USE ONLY

Searcher: ESJ
 Searcher Phone #: _____
 Searcher Location: _____
 Date Searcher Picked Up: _____
 Date Completed: 7-31-02
 Searcher Prep & Review Time: 15
 Clerical Prep Time: _____
 Online Time: 65

Type of Search

NA Sequence (#) _____
 AA Sequence (#) _____
 Structure (#) _____
 Bibliographic ☒ _____
 Litigation _____
 Fulltext _____
 Patent Family _____
 Other _____

Vendors and cost where applicable

STN \$ 282.17
 Dialog _____
 Questel/Orbit _____
 Dr.Link _____
 Lexis/Nexis _____
 Sequence Systems _____
 WWW/Internet _____
 Other (specify) _____